

CERES SCF Working Group STATUS Table for March 18 1998

<i>DESCRIPTION</i>	<i>Status</i>	<i>Problems</i>																					
Thunder & Lightning	<p>T&L has been relatively stable for the past few weeks. A instrumental kernel (a debug kernel) is in place to trap additional information on lightning to assist SGI with isolating and correcting future crashes. We have created a 18Gb logical volume and moved all the erbelike data over to it. As soon as the subsystem verifies the data against the old data located in /mnt, we will format the old (9 GB) disk and attach it to the existing logical volume We are planning to purchase additional drives (135GB total) to satisfy the disk space requirements from the other subsystems. Here is a quick breakdown of the additional requests:</p> <table> <tr> <td>subsystem</td><td>diskspace</td><td>rationale</td></tr> <tr> <td>instrument</td><td>27</td><td>increased BDS sizes, task 37 needs</td></tr> <tr> <td>clouds</td><td>15</td><td>original request</td></tr> <tr> <td>tisa grid</td><td>18</td><td></td></tr> <tr> <td>tisa avg.</td><td>32</td><td>2 sets of TSI</td></tr> <tr> <td>erbelike</td><td>16</td><td>process a month of ES8s --- done</td></tr> <tr> <td>sarb</td><td>35</td><td>2 mths for MOA, 2 sets of 24 hrs for CRS</td></tr> </table>	subsystem	diskspace	rationale	instrument	27	increased BDS sizes, task 37 needs	clouds	15	original request	tisa grid	18		tisa avg.	32	2 sets of TSI	erbelike	16	process a month of ES8s --- done	sarb	35	2 mths for MOA, 2 sets of 24 hrs for CRS	
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High speed Connection to the DAAC from ASD	<p>The QA backup migration effort is underway. The erbelike data products are now being pushed to the /QA partition.</p> <p>Network support has completed the dedicated connection between ASD and the DAAC. This is a big break through, we have been pushing for this wire for some time. We used that connection to test a consignment NFS file server. we found transfer rates up to 8MBps (not too bad). The direct wire will improve the transfer of data considerably. The DAAC is currently meeting with vendors to permanently solve the file transfer problem between the two facilities. We are investigating fibre channel technology. With this technology we expect transfer rates of 100MBps.</p>																						

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Security	<p>The Network security office has checked the security of all systems on and off site using the ballista software. Several of the incident reports on the SCF systems were not high level security concerns, they highlighted certain process on the systems that were running to allow client - server capabilities to be utilized.</p> <p>A few additional security issues:</p> <ol style="list-style-type: none"> 1. The SA team is beginning to review the cgi-bin scripts on the web servers. The intent is to provide the web developers a set of recommendations that will include security problems and recommended changes and another set of recommended changes that may enhance performance. 2. The password checking software is being executed each month at both facilities. If a user's password is "cracked" the user will be informed and requested to change their password to a more secure password. 	